PTO/SB/08A (01-08)

Subs	titute for form 1449A/PTO			Complete if Known		
				Application Number	10/633,015	
	FORM ATION DIO			Filing Date	July 31, 2003	
	FORMATION DISC			First Named Inventor	PAVLOVSKAIA, ELENA	
51	TATEMENT BY AP	PLI	CANI	Art Unit	3732	
	(Use as many sheets as necessary)			Examiner Name	Jonathan S. Werner	
Sheet	1	of	6	Attorney Docket Number	018563-002920US	

			U.S. PATENT DO	CUMENTS	3	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name	of Patentee or of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	Number Kind Code ^{2 (Floore)} US-3,738,005	06-12-1973	 	Cohen	1 gales / open
	AB	US-3,983,628	10-05-1976		Acevedo	_
	AC	US-4,575,330	03-11-1986	-	Hull	
	AD	US-4,935,635	06-19-1990		O'Harra	
	AE	US-5,130,064	07-14-1992		Smalley	
	AF	US-5,176,517	01-05-1993		Truax	
	AG	US-5,328,362	07-12-1994	w	atson et al.	
	AH	US-5,440,326	08-08-1995	"	Quinn	
	Al	US-5,562,448	10-08-1996	-	fushabac	
	AJ	US-5,614,075	03-25-1997	. "	Andre	
	AK	US-5,621,648	04-15-1997		Crump	
	AL	US-5,742,700	04-21-1998	 -	oon et al.	
	AM	US-5.799.100	08-25-1998		arke et al.	
	AN	US-5,823,778	10-20-1998		hmitt et al.	
	AO	US-5,848,115	12-08-1998		ittle et al.	
	AP	US-5,857,853	01-12-1999	van Nifterick et al.		
	AQ	US-5,880,962	03-09-1999			
	AR	US-5,934,288	08-10-1999	Andersson et al. Avila et al.		
	AS	US-6,015,289	01-18-2000		freiko et al.	
	AT	US-6.062.861	05-16-2000		ndersson	
	AU	US-6,068,482	05-30-2000	^	Snow	
	AV	US-6,099,314	08-08-2000	, ,		
	AW	US-6,152,731	11-28-2000	Kopelman et al.		
	AX	US-6,217,325	04-17-2001	Jordan et al.		
	AY	US-6,244.861	06-12-2001	Chishti et al. Andreiko et al.		
	AZ	US-6,309,215	10-30-2001		han et al.	
	BA	US-6,315,553	11-13-2001		han et al. hdeva et al.	
	BB	US-6,315,553 US-6,322,359	11-13-2001			
	BC	US-6,322,359 US-6,350,120	02-26-2002		rdan et al.	
	BD			Sachdeva et al.		
	BE	US-6,382,975 US-6,398,548	05-07-2002	Poiner		
-	BE	US-6,398,548 US-6,402,707		Muhammad et al.		
	BF BG		06-11-2002		Ernst	
	BH	US-6,482,298	11-19-2002		hatnagar	
		US-6,524,101	02-25-2003		han et al.	
	ВІ	US-6,554,611	04-29-2003	Ch	ishti et al.	
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STATEMENT BY APPLICANT	Art Unit	3732	
(Use as many sheets as necessary)	Examiner Name	Jonathan S. Werner	
heet 2 of 6	Attorney Docket Number	018563-002920US	

			U.S. PATENT DO										
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant								
mizais	NO.	Number Kind Code ^{2 (Fhrown)}	MM-DD-TTTT	Applicant or Cited Document	Figures Appear								
	BJ	US-6,572,372	06-03-2003	Phan et al.									
	ВК	US-6,629,840	10-07-2003	Chishti et al.									
	BL	US-6,705,863	03-16-2004	Phan et al.									
	ВМ	US-6,722,880	04-20-2004	Chishti et al.									
	BN	US-2002/0006597	01-17-2002	Andreiko et al.									
	ВО	US-2003/0224311	12-04-2003	Cronauer									
	BP	US-2003/0009252 A1	01-09-2003	Pavlovskala et al.									
	BQ	US-2003/0139834 A1	07-24-2003	Nikolskiy et al.	-								
	BR	US-2004/0128010 A1	07-01-2004	Pavlovskala et al.									
	BS	US-2005/0055118 A1	03-10-2005	Nikolskiy et al.									
	ВТ	US-RE 35169	03-05-1996	Lemchen et al.									
		US-											

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T			
	BU	AU	517102	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	07-09-1981	Hito Suyehiro		Г		
•••••	ВV	AU	3031677		05-10-1979	Hito Suyehiro		Ī		
	вw	AU	5598894		06-08-1994	Ormco Corp.				
	вх	CA	1121955		04-20-1982	Suyehiro Hito		Ī		
	BY	DE	2749802		05-11-1978	Suyehiro Hito				
	BZ	DE	69327661		07-20-2000	Ormco Corp.		Г		
	CA	EP	0667753		08-23-1995	Ormco Corp.				
	СВ	ES	463897		01-01-1980	Hito Suyehiro				
	СС	GB	1550777		08-22-1979	Hito Suyehiro				
	CD	JP	04-028359		01-30-1992	Mitsubishi Petrochemical Co.				
	CE	JP	53-058191		05-25-1978	Yoshii		Ī		
••••	CF	JP	08-508174		09-03-1996	Ormco Corp		Ī		
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"Noted obcurrent by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible." Applicant is to place a check man there if the patent is proceed. The sensit in the place and the particle is the place of the patent in the place of the patent is the place of the patent in the place of the patent is the place and the patent is the place of the patent in the place of the patent is the place and the patent is the place of the patent is the place of the patent is the place of the patent is the place and the patent is the place of the patent is the place and the patent is placed to the patent in the patent is placed to the patent in the patent is placed to the patent in the patent in the patent is placed to the patent in the patent in th

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				Application.Number	10/633,015	
INFORMATION DISCLOSURE				Filing Date	July 31, 2003	
STA	STATEMENT BY APPLICANT (Use as many sheets as necessary)			First Named Inventor	PAVLOVSKAIA, ELENA	
				Art Unit	3732	
				Examiner Name	Jonathan S. Wemer	
Sheet	3	of	6	Attorney Docket Number	018563-002920US	

		NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No.1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (in magazine, journal, serfal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cardi				
	CG	ALCANIZ, et al., "An Advanced System for the Simulation and Planning of Orthodontic Treatments," Karl Heinz Hohne and Ron Kiknis (eds.), Visualization in Biomedical Computing, 4th Intl. Conf., VBC '96, Hamburg, Germany, September 22-25, 1996, Springer-Verlag, pp. 511-520.				
	СН	"Important Tip About Wearing the Red White & Blue Active Clear Retainer System," Allesee Orthodontic Appliances-Pro Lab, 1 page.				
•••••••••••••••••••••••••••••••••••••••	CI	"Inside the ADA," <i>JADA</i> , 118:286-294 (March 1989).				
	C1	The Choice Is Clear: Red, White & Blue The Simple, Affordable, No-Braces Treatment," Allesee Orthorontic Appliances-Pro Lab product information for doctors, frtp://ormco.com/aca/appliancesservices/RWB/doctor.htm , 5 pages (May 19, 2003).				
	СК	The Choice is Clear: Red, White & Blue The Simple, Affordable, No-Braces Treatment," Allessee Orthodontic Appliances-Pro Lab product information for patients, http://ormco.com/aoa/appliancesservices/RWB/patients.htm , 2 pages (May 19, 2003).				
	CL	The Choice Is Clear: Red, White & Blue The Simple, Affordable, No-Braces Treatment," Allesee Orthodontic Appliances-Pro Lab product information, 6 pages (2003).				
	СМ	The Red, White & Blue Way to Improve Your Smile!* Allesee Orthodontic Appliances-Pro Lab product information for patients, 2 pages.				
	CN	"You May Be A Candidate For This Invisible No-Braces Treatment," Allesee Orthodontic Appliances-Pro Lab product information for patients, 2 pages.				
		BARTELS, et al., An Introduction to Splines for Use in Computer Graphics and Geometric Modeling, Morgan Kaufmann Publishers, pp. 422-425 (1987).				

Examiner Signature	/Jonathan Werner/	Date Considered	08/02/2008

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (01-08)

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INFO	RMATION I	DISCLOS	URE	Filing Date	July 31, 2003	
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				Art Unit	3732	
	(Use as many sheets	s as necessary)		Examiner Name	Jonathan S. Werner	
Sheet	4	of	6	Attorney Docket Number	018563-002920US	

NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No.1	Include name of the author (ifi CAPITAL LETTERS), tille of the article (when appropriate), tille of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2				
	СР	BLU, et al., "Linear interpolation revitalized", IEEE Trans. Image Proc., 13(5):710-719 (May 2004).					
	cq	BOURKE, "Coordinate System Transformation," (June 1996), p. 1, retrieved from the Internet 11/05/2004, URL http://astronomy.swin.edu.au/~pbourke/projection/coords .					
	CR	CARNAGHAN, "An Alternative to Holograms for the Portrayal of Human Teeth," 4th Int'l. Conf. on Holographic Systems, Components and Applications, Sept. 15, 1993, pp. 228-231.					
	cs	Definition for "Gingiva," Dictionary.com, pp. 1-3, retrieved from the Internet on 11/05/2004, URL http://reference.com/search/search?q=gingiva .					
	СТ	DuraClear [™] product information, Allesee Orthodontic Appliances-Pro Lab, 1 page.					
	CU	English translation of Japanese Laid-Open Publication No. 63-11148 to inventor T. Ozukuri (Laid-Open on January 18, 1998) pp. 1-7.					
		FÜTTERLING et al., "Automated Finite Element Modeling of a Human Mandible with Dental Implants," WSCG '98 -Conference Program, retrieved from the Internet: http://wscg.zcu.cz/wscg98/papers98/Sfrasser_98.pdb , 8 pages.					
	cw	GAO et al., "3-D element Generation for Multi-Connected Complex Dental and Mandibular Structure," Proc. Int'l. Workshop on Medical Imaging and Augmented Reality, pp. 267-271 (June 12, 2001).					
		HIGHBEAM RESEARCH, "Simulating Stress Put on Jaw," Tooling & Production [online], November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL http://siatic.highbeam.com/thoolingampproduction/november011996/simulatingstressputonja >.					

Examiner	/Jonathan Werner/	Date	08/02/2008
Signature		Considered	

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PTO/SB/08B (01-08)

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INFO	RMATION	DISCLOS	SURE	Filing Date	July 31, 2003	
STATEMENT BY APPLICANT			CANT	First Named Inventor	PAVLOVSKAIA, ELENA	
				Art Unit	3732	
(Use as many sheets as necessary)				Examiner Name	Jonathan S. Werner	
Sheet	5	of	6	Attorney Docket Number	018563-002920US	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-lissue number(s), publisher, dity and/or country where published.	T 2
	CY	HIKAGE, "Integrated Orthodontic Management System for Virtual Three-Dimensional Computer Graphic Simulation and Optical Video Image Database for Diagnosis and Treatment Planning", Journal of Japan Orthodontic Society, February 1987, English translation, pp. 1-38, Japanese version, 46(2), pp. 248-269 (60 pages total).	
	cz	HOJJATIE et al., "Three-Dimensional Finite Element Analysis of Glass-Ceramic Dental Crowns," J. Biomech., 23(11):1157-1166 (1990).	
	DA	KOCHANEK, "Interpolating Splines with Local Tension, Continuity and Bias Control," Computer Graphics, 18(3):33-41 (July 1984).	
	DB	MOLES, "Correcting Mild Malalignments - As Easy As One, Two, Three," <i>AOA/Pro Corner</i> , 2 pages.	
	DC	PAUL et al., "Digital Documentation of Individual Human Jaw and Tooth Forms for Applications in Orthodontics, Oral Surgery and Forensic Medicine" Proc. of the 24th Annual Conf. of the IEEE Industrial Electronics Society (IECON '38), Sept. 4, 1998, pp. 2415-2418.	
		REKOW et al., "Comparison of Three Data Acquisition Techniques for 3-D Tooth Surface Mapping," Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 13(1):344-345 (1991).	
	DE	STURMAN, "Interactive Keyframe Animation of 3-D Articulated Models," Proceedings Graphics Interface '84, May-June 1984, pp. 35-40.	
	DF	TRUAX L., "Truax Clasp-Less(TM) Appliance System," <i>Funct. Orthod.</i> , 9(5):22-4, 26-8 (September-October 1992).	
	DG	TRU-TAIN ORTHODONTIC & DENTAL SUPPLIES, Product Brochure, Rochester, Minnesota 55902, 16 pages total.	

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

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				Examiner Name	Jonathan S. Werner	
Sheet	6	of	6	Attorney Docket Number	018563-002920US	

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	DH	VERSTREKEN et al., "An Image-Guided Planning System for Endosseous Oral Implants," IEEE Trans. Med. Imaging, 17(5):842-852 (October 1998).	
		WSCG'98 - Conference Program, "The Sixth International Conference in Central Europe on Computer Graphics and Visualization '98," February 9-13, 1996, pp. 1-7, retrieved from the Internet on 11/05/2004, URL http://wscg.zcu.cz/wscg98/wscg98.h .	
		XIA et al., "Three-Dimensional Virtual-Reality Surgical Planning and Soft-Tissue Prediction for Orthognathic Surgery," IEEE Trans. Inf. Technol. Biomed., 5(2):97-107 (June 2001).	
	DK	YAMANY et al., "A System for Human Jaw Modeling Using Intra-Oral Images," Proc. of the 20th Annual Conf. of the IEEE Engineering in Medicine and Biology Society, November 1, 1998, Vol. 2, pp. 563-568.	
		YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); I. The D.P. Concept and Implementation of Transparent Silicone Resin (Orthocon)," Nippon Dental Review, 452:61-74 (June 1980).	
	DM	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); II. The D.P. Manufacturing Procedure and Clinical Applications," Nippon Dental Review, 454:107-130 (August 1980).	
	DN	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); III The General Concept of the D.P. Method and Its Therapeutic Effect, Part 2. Skeletal Reversed Occlusion Case Reports," Nippon Dental Review, 458:112-129 (December 1980).	
		YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); III. The General Concept of the D.P. Method and its Therapeutic Effect, Part 1, Dental and Functional Reversed Occlusion Case Reports," <i>Nippon Dental Review</i> , 457:146-164 (November 1980).	

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